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*LIMITED TO MATTERS AND PROCEEDINGS BEFORE FEDERAL COURTS & AGENCIES **REGISTERED PATENT AGENT ***SENIOR COUNSEL

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Commissioner for Patents

Box Patent Application

Washington, D.C. 20231

Re: U.S.

U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)

May 10, 2001

Appl. No. To Be Assigned; Filed: Herewith

For: Method, System and Computer Program Product for Measuring Unit

Activity of an Enzyme

Inventors:

Nellis et al.

Our Ref:

0942.5110000/LEA/KPP

Sir:

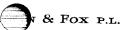
The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

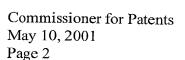
- 1. PTO Fee Transmittal (Form PTO/SB/17) (in duplicate);
- 2. PTO Utility Patent Application Transmittal (Form PTO/SB/05);
- 3. U.S. Utility Patent Application entitled:

Method, System and Computer Program Product for Measuring Unit Activity of an Enzyme

and naming as inventors:

David Nellis Stephanie Nilsen





the application consisting of:

- a. A specification containing:
 - i. 33 pages of description prior to the claims;
 - ii. 6 pages of claims (24 claims);
 - iii. a one (1) page abstract;
- 8 sheets of drawings: (Figures 1-8); b.
- c. An original executed Declaration:
- d. Application Data Sheet;
- Our check No. <u>31267</u> for \$822.00 to cover: e. \$710.00 filing fee for patent application; \$72.00 fee for excess claims; \$40.00 Assignment recordation fee;
- Authorization to Treat a Reply As Incorporating An Extension of Time 4. Under 37 C.F.R. § 1.136(a)(3) (in duplicate);
- 5. Recordation Form Cover Sheet;
- An original executed Assignment to Invitrogen Corporation, recordation 6. of which is hereby respectfully requested;
- 7. Two (2) return postcards.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible. Commissioner for Patents May 10, 2001 Page 3

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036. A duplicate copy of this letter is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Kendrick P. Patterson Attorney for Applicants Registration No. 45,321

KPP/dnk Enclosures

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SIGNATURE

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PTO/SB/05 (03-01)

May

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Date

for use through 10/31/2002. OMB 0651-0032 ffice: U.S. DEPARTMENT OF COMMERCE Patent and Traden Under the Paperwork Reduction Act of 1995, no persons are required to r

UTILITY PATENT APPLICATION **TRANSMITTAL**

espond to	a collection of information	on unless it displays a valid OMB control nur	mber.—				
Attorney	Docket No.	0942.5110000					
First In	ventor	David Nellis					
Title		Method, System, and Computer Program Product for Measuring Unit Activity of An Enzyme					
Evnrace	Mail Lahal No						

	<u> </u>	(6.11) 70, 110,	nonprovisional applications under 57 CFR § 1.55(0))	1	xpres	s Mail Label No.				
	S		LICATION ELEMENTS 600 concerning utility patent application contents.	AI	DDR	ESS TO:	Assistant Cor Box Patent A Washington,		Dr.	
1	⊠		tal Form (e.g., PTO/SB/17) val, and a duplicate for fee processing)	7. 8.	Nucle	<i>Appendix)</i> cotide and/or A	mino Acid S	cate, large table or Co Sequence Submission	mputer Program	
	[] 52	See 37 CFR 1			(i) a. [fapplicable, all range. Computer Respectification Sequence.	<i>iecessary)</i> adable Form ((CRF)		
3.	Specification [Total Pages 40] (preferred arrangement set forth below) - Descriptive title of the Invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s)			 i.						
İ			9.	×	<u></u>		heet & document(s))	RTS		
4.		- Abstract of the I Drawing(s) (3	Disclosure 35 U.S.C. 113) [Total Sheets 8]	10.		37 CFR 3.73() (when there is a	b) Statement	Power of Attorn	ney	
5.	-	ath or Declarat Newly ex	cion [Total Pages 2]	11. 12.		Information D	isclosure	ent (if applicable) Copies of IDS		
	b.		n a prior application (37 CFR 1.63(d)) uation/divisional with Box 18 completed)	13.		Statement (ID Preliminary A	^	Citations		
		i. 🗖	DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s)	14.	×	Two (2) Retur (Should be speci		stcard (MPEP 503)		
6. 1	named in the prior application, see 37 CFR §§ 1.63(d)(2) and 1.33(b). 6. Application Data Sheet. See 37 CFR 1.76.			15. 16.		Certified Copy (if foreign priori	ity is claimed)	, ,	andigant must attack	
				•	⋈	form PTO/SB/35	or its equivalen	5 U.S.C. 122 (b)(2)(B)(i). A nt. ler 37 C.F.R. § 1.136(a)(
<u></u>							name of the as			
For con	18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-Part (CIP) Prior application information: Examiner Group/Art Unit: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only relied upon when a portion has been inadvertently omitted from the submitted application parts.									
	19. CORRESPONDENCE ADDRESS									
	Customer Number or Bar Code Label Customer No. 26111 (Insert Customer No. ar Attach bar code label here)									
NA	ΜĒ	-	STERNE, KESSLER, GOLDSTEIN & FOX P.I.A. D 1 Attorneys at Law							
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λ7.4	ME (D	rint/Tyne)	Kendrick P. Patterson		T.	gistration No. (A		45 321		



FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

(\$)822.00

Complete if Known					
Application Number	To Be Assigned				
Filing Date	Herewith				
First Named Inventor	David Nellis				
Examiner Name	To Be Assigned				
Group Art Unit	To Be Asssigned				
Attorney Docket No.	0942.5110000/LEA/KPP				

METHO	DD OF PAYMENT (check one)				FEE	CALCULATION	(continued)	
1. The Commindicated fee	hissioner is hereby authorized to charge is and credit any overpayment to:		TIONAL Entity	FEES Small	Entity			
Deposit Account Number	9-0036	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee t	Description	Fee paid
Deposit Account Name	terne, Kessler, Goldstein & Fox P.L.L.C.	105	130	205	65	Surcharge - late filing	fee or oath	
I Па	197 - 197 - Po - 1 - 1	127	50	227	25	Surcharge - late provision	al filing fee or cover she	eet
Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17		139	130	139	130	Non-English specif	ication	
☐ Applicant claims small entity status See 37 CFR 1.27		147	2,520	147	2,520	For filing a request for	or ex <i>part</i> e reexami	nation
366 37 CFR 1.27			920*	112	920*	Requesting publication action	of SIR prior to Examir	ner
2. 🛛 Payment Enclos	ed:	113	1,840*	113	1,840*	Requesting publication	of SIR after Examiner	action
Check Cr *Charge any deficiencies calculations of Parts 1, 2 a	redit card Money Order Other* or credit any overpayments in the fees or fee and 3 below to Deposit Account No. 19-0036.	115	110	215	55	Extension for reply w	vithin first month	
I	FEE CALCULATION	116	390	216	195	Extension for reply w	vithin second month	
1. BASIC FILING FEI	E	117	068	217	445	Extension for reply w	vithin third month	
Large Entity Small		118	1,390	218	695	Extension for reply w	ithin fourth month	
Fee Fee Fee Code (\$) Code	Fee Fee Description Fee Paid (\$)	128	1,890	228	945	Extension for reply w	ithin fifth month	
101 710 201	355 Utility filing fee 710.00	119	310	219	155	Notice of Appeal		
106 320 206	160 Design filing fee	120	310	220	155	Filing a brief in suppo	ort of an appeal	
107 490 207	245 Plant filing fee	121	270	221	135	Request for oral hear	ring	
108 710 208	355 Reissue filing fee	138	1,510	138	1,510	Petition to institute a	public use proceed	ling
114 150 214	75 Provisional filing fee	140	110	240	55	Petition to revive - ur	navoidable	
		141	1,240	241		Petition to revive - ur		
SUBTOTAL (1) (\$) 710.00		142	1,240	242		Utility issue fee (or re	eissue)	
		143	440	243		Design issue fee		
		144	600	244		Plant issue fee		
		122	130	122	130	Petitions to the Com	nissioner	
2. EXTRA CLAIM FEI	ES Fee from Extra below Fee Paid	123	130	123	130	Petitions related to p	rovisional application	ons
Total <u>Claims</u> 24 - 20	D** =4 X18 = 72.00	126	180	126	180	Submission of Inform	ation Disclosure St	mt
	- 3** = <u>0</u> X <u>80</u> = <u>00.00</u>	581	40	481		Recording each pate property (times numb		40.00
Multiple Dependent	0 = 0	146	710	246		Filing a submission a (37 CFR 1.129(a))	fter final rejection	
	Entity Fee Fee Description (\$)	149	710	249	355	For each additional ir (37 CFR 1.129(b))	vention to be exam	nined
	9 Claims in excess of 20	179	710	279	355	Request for Continue	d Examination (RC	E)
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110 18 210 9	patent	Other fee (
**or number previously paid, if greater; For Reissues, see above			by Basic Fil	ling Fee I	Paid	DI IDTOT:	(0)	
SUBMITTED BY					SUBTOTAL			
	Kendrick P. Patterson		Ren	lietration	No T		Complete (if app	
Name (Print/Type)		(Atto	istration ney/Agent)	INO.	45,321	Telephone	202-371-2600	
Signature	The allessoon						Date	10 May 2001

PATENT	APPLICATION	SERIAL	NO.	
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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE FEE RECORD SHEET

05/11/2001 SMINASS1 00000045 09852093

01 FC:101 02 FC:103 03 FC:581 710.00 OP 72.00 OP 40.00 OP

PTO-1556 (5/87)

*U.S. GPO: 2000-468-987/39595